



The Indianapolis Radio Club Newsletter

Founded 1914

"The oldest continuously operating Amateur Radio Club in the United States"

January 2014 Newsletter

Upcoming Meetings:

February 14: Legacy Radio, Chili Cook-off

Highlights from the January Meeting:

The meeting was called to order at 7:30 by club president, David Spoelstra, N9KT. There were 50 in attendance at the meeting. David welcomed everyone to the 100th anniversary year of the club. Bob Osterhous, W9PSE, presented the one upgrade to General with a "goody bag". David opened the floor for tech questions: One member had a new MFJ QRP kit that he needed help with the alignment process on it; another member had a problem with establishing communication between a Chinese radio and his PC.

Club treasurer Rhonda Curtis, WS9H, announced that Thompson will be providing the bus to Dayton again this year for the same price as last year. Charlie Sears, N9MEW, announced that all repeaters need to be registered with him in order to be listed in the repeater directory. Contact Charlie at n9mew@ircinc.org to get your repeater registered. Jay Wright, KK9L, announced that classes will be starting on January 29 in Danville (*more information later in this newsletter*). Marion County ARES packet training will be on January 25, from 9:00 – 12:00 at Salvation Army on Georgetown Road. The Brownsburg hamfest will be February 22, with set up the night before. In the next month or so, we will have to move the club meetings due to asbestos in the building we currently meet in. Meetings will be held in the old St. Vincent hospital, just west of this building. Watch your email for the announcement of the location of the next meeting. Next month is legacy radio, as well as chili cook-off. Looking for website guru to do

some work on the site for the 100th anniversary. Bob Burns, W9BU, announced that there will be a hilltop contest this year, probably in September. He plans on getting the word out soon, and promises the rules will be simple.

Next, Steve Curtis, ND9C, started his introduction to fox hunting presentation. Steve started his involvement in fox hunting as a legacy to Paul Bohrer, W9DUU (SK). Definition: Fox hunting is direction finding of a transmitter. Steve said you don't need a beam antenna, you can just use a handheld against your body, using your body to attenuate the signal. Another way is to use a "sniffer" box from Australia (<http://www.foxhunt.com.au/index.html>) with a beam. This box auto-attenuates as it gets to the signal. The boxes are around \$200. Can use a commercial beam antenna or you can build one yourself with links available on the Austrlian page referenced above. A Regency Doppler system can be used, with 4 antennas in a mobile. The display on the doppler unit will show the direction of the signal. There also is a kit available at <http://www.handi-finder.com/>. Steve normally has fox hunts every month in Marion County.

Next, Tom Chance, K9XV, started on radio history from 1850 – 1929. The 100 years of the Indianapolis Radio Club is now expanded to 100 years of radio in Indianapolis. Tom gave a very interesting and detailed presentation on the early history of radio. In 1820 Orsted noticed relationship between electricity and magnetism. 1830 - Faraday discovers several electrical characteristics. 1860 - Maxwell develops equations that describe Electricity, Magnetism, and optics, all moving at the speed of light, theorized radio waves. 1870 - Loomis patents first wireless communications. 1885 - Edison patents first wireless ship to ship radio comms. 1890 - Hertz demonstrates existence of electromagnetic waves. 1887 - Hertz Spark Gap transmitter. 1893 - Tesla Lectures on Light and other High Frequency phenomena. 1894 - Popov develops "Coherer", Lodge uses "coherer" to receive Morse Code. 1897 - Marconi British patent for radio, establishes radio station at Isle of Wight, first factory to manufacture radios. 1897 - Tesla files for US patents. 1904 - Fleming develops first vacuum diode. 1906 - Fessenden uses alternator and spark gap to broadcast audio ("O Holy Night" on violin). 1906 - DeForest adds grid to Flemming valve to make first triode, called the "audion". 1907 - Marconi first permanent transatlantic wireless service. 1910 - Wireless ship act. 1912 - Radio Act of 1912, after Titanic sinks. 1912 - first amateur radio ops had to be licensed, and had 200M band. 1913 - Marconi creates duplex transatlantic wireless comms. 1914 - The Indianapolis Radio Club is founded, with the first president being Noble Helbenberg, a distant relation of Modern day Long-Time club member John Lee, W9GRE. 1916 - first regular radio broadcasts Wisconsin Morse weather station. 1917 - over 6000 amateur operators. 1920 - Westinghouse in Pittsburgh starts KDKA. 1920 - Indianapolis Radio Club Owned and operated WBBi Pioneer Broadcasting Station. 1922 - IRC sponsored first "Hoosier Hamfest". 1918 - Purdue became a partner with the US Army signal corps. 1926 - first time IRC has the call sign W9JP.

Ham Radio News:

IRC 100 YEAR ANNIVERSARY EVENTS FOR 2014

February 14: 1930 to 1950 History of the Club, along with Vintage Radio Night.
March 14: 1950 to 1970 History of the Club
April 11: 1970 to 1980 History of the Club
May 2: Indiana QSO Party Sponsor. Club station of W9JP/100 will be a bonus station.
May 9: 1980 to 1990 History of the Club
June 13: 1990 to 2000 History, along with annual auction
June 28 – 29: W9JP/100 Field Day at Camp Belzer
July 12: Special Display at Indianapolis Hamfest
July 17 – 19: ARRL 100th anniversary celebration
August 2: W9JP Picnic and Tailgate Hamfest at Camp Belzer
September 12: 2000 to 2014 History of the Club
October 10: 100th Year Dinner with ARRL speaker, W9JP/100 Special Event, and 1914 to 2014 History of the Club presentation.

UPCOMING CLASSES IN HENDRICKS COUNTY

Starting on January 29, 2014 at the Hendricks County Senior Citizens Building located at 1201 Sycamore Ln. in Danville, right behind the Hendricks Regional Hospital, will be ham radio classes. The classes run from 7pm-9pm, and cover all license classes. The class runs for 9 weeks and is free to take, but the cost for testing is \$12.00 (cash only, please). If you are interested in taking the class or if you are interested in helping out with the class, contact Jay Wright, KK9L, at 317-203-3335 for more information.

A NOTE REGARDING IRCs

OPDX is quoting comments concerning IRC's from well known QSL Manager Phil, G3SWH. Here's what Phil said: "Hi Gang, Just a cautionary note for those of you who still use IRC's. With effect from 1st January 2014 and in common with most other UK based QSL Managers, I will "NOT" be accepting IRCs for payment for return postage. They are just too much hassle. OQRS and US dollars are much preferred and easier to handle. Please take a look at: <<http://www.g3swh.org.uk/postage.html>> which has been in place for about six months. In that time, I have received probably less than 10 of the new, 2017 expiry IRCs...

FROM QRZ DX NEWSLETTER

US POSTAGE RATE GOES UP AGAIN

The United States Postal Service announced proposed price changes, including an increase in the price of a First-Class Mail single piece letter from 46 cents to 49 cents. The proposed changes, which would go into effect on January 26, 2014, are intended to generate \$2 billion in incremental annual revenue for the Postal Service.

Highlights of the new single-piece First-Class Mail pricing, effective Jan. 26, 2014 include:

- Letters (1 oz.) — 3-cent increase to 49 cents
- Letters additional ounces — 1-cent increase to 21 cents
- Letters to all international destinations (1 oz.) — \$1.15
- Postcards — 1-cent increase to 34 cents

IN SEARCH OF....

I'm looking for a DX-100 to excite a plate modulated AM transmitter I just finished building. I'm presently using a TS-520 and it's working too hard because it doesn't run class C. If you could put out a notice for me I would appreciate it. I'm not looking for anything pristine, All I need is the RF section.

Thank you and happy new year. Feel free to post my email adr.

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HDXCC MEETING SCHEDULE

Anyone interested in the DX and contesting aspects of our hobby might want to check out the Hoosier DX and Contest Club. They meet the second Wednesday of the month, at GT South's, at 71st and Binford at 6:30 pm. Their next few meetings will be on February 12, March 12, April 9, May 14, and June 11.

ARRL FOUNDATION SCHOLARSHIPS

The Indianapolis Amateur Radio Assoc., operator of the Indy Hamfest, sponsors a \$1000 scholarship. Amateurs living in Indiana will have preference. Applications for the 2014 scholarship process must be received at the ARRL Foundation by 11:59 PM Eastern Standard Time on January 31, 2014. Transcripts must be received by February 14, 2014. Scholarship recipients are typically notified in mid-May by USPS mail and email. More information can be found here: <http://www.arrl.org/scholarship-descriptions> Please pass the word if you know of someone who may be interested.

NEW TECHNICIAN CLASS QUESTION POOL RELEASED

The NCVEC Question Pool Committee has released the new 2014-2018 Technician Class, Element 2, question pool to the public. This pool will take effect on July 1, 2014, and will remain valid until June 30, 2018. The current Technician question pool, released in 2010, is valid until June 30, 2014. -- Maria Somma, AB1FM, ARRL/VEC Manager

FEEL FREE TO SHARE OUR NEWSLETTER

If you belong to any other radio groups, please feel free to share our newsletter with them. They can also sign up to be on our mailing list by filling out the form available at <http://www.indyradioclub.org/rqstnewsletter.htm>.

WELCOME NEW MEMBER

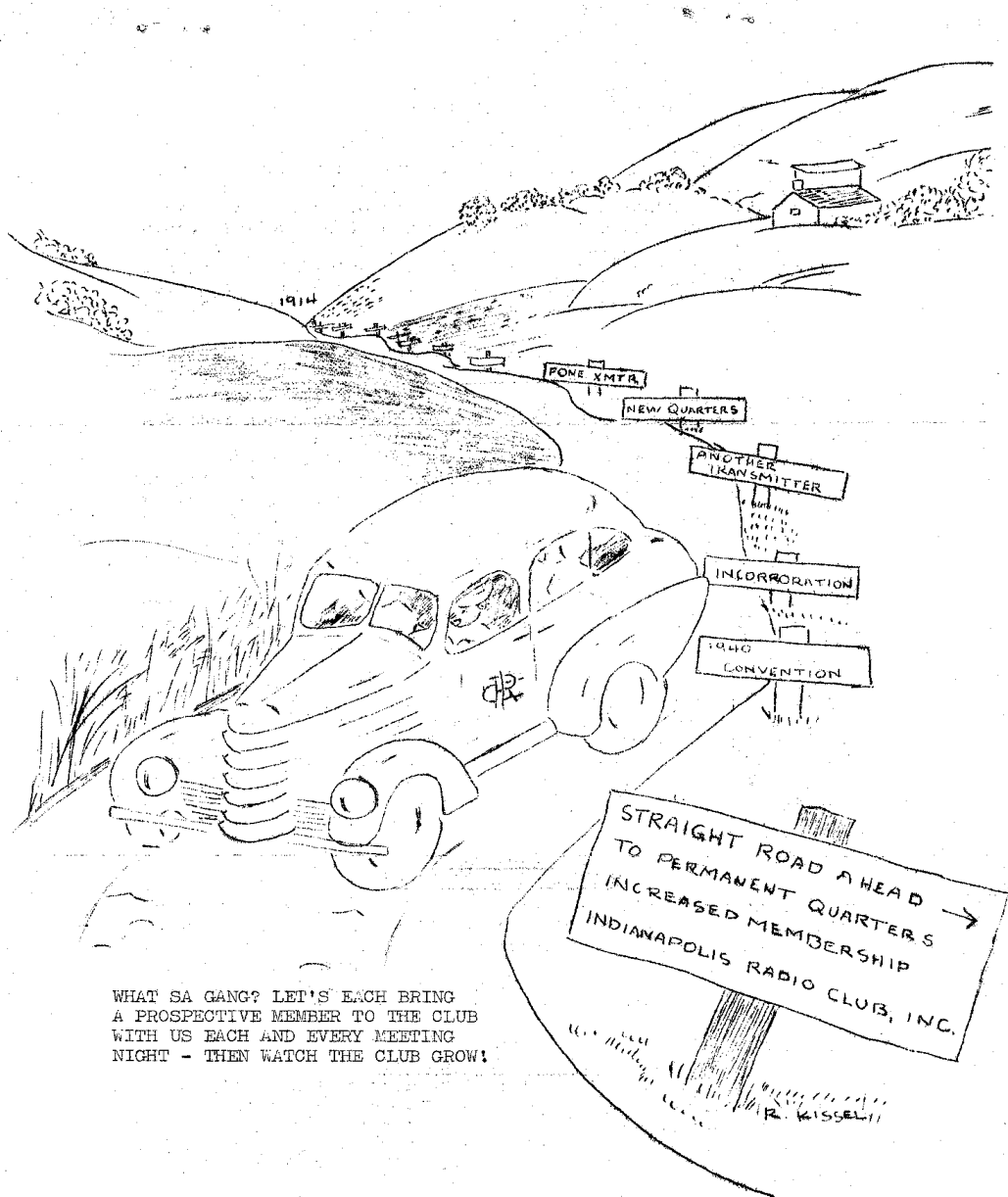
Jim Stohler, KC9YTK

SEND ME YOUR HAM RADIO NEWS

If anyone has any items for the newsletter, please send them to Ken Bandy at kj9b@arrl.net

Signals from the Past:

From the December, 1940 *Amachewer*:



WHAT SA GANG? LET'S EACH BRING
A PROSPECTIVE MEMBER TO THE CLUB
WITH US EACH AND EVERY MEETING
NIGHT - THEN WATCH THE CLUB GROW!

The caption reads: "What sa gang, let's each bring a prospective member to the club each and every meeting - then watch the club grow"

Upcoming Area Radio Events:

- February 22, 2014: Brownsburg Hamfest. More info at http://hcars.org/sites/hcars.org/files/Brownsburg_Hamfest2014.pdf
- March 8: WVARA (Terre Haute) Hamfest. More info at <http://w9uuu.org/hamfest.html>

2014 Officers:

- President: Dave Spoelstra, N9KT – EMAIL n9kt@arrl.net
- Vice Pres.: Dave Miller, K9RTT - ..EMAIL dmiller@ivytech.edu
- Secretary: Ken Bandy, KJ9B - ..EMAIL kj9b@arrl.net
- Treasurer: Rhonda Curtis, WS9H - ..EMAIL ws9h.indy@gmail.com
- Chief Operator: Tom Chance, K9XV - ..EMAIL k9xv@arrl.net
- Dir. at large: Jim Rinehart, K9RU – EMAIL k9ru@arrl.net
- Dir. at large: Jerry Skoll, KC9DTB - ..EMAIL gskoll@msn.com
- Dir. at large: Bob Osterhous - ..EMAIL rosterhous@iquest.net
- W9JP Trustee: Don Hemenover, N9DOO – EMAIL don9doo@lightbound.com

